

BEST AVAILABLE COPY

IN THE SPECIFICATION:

Please replace paragraph [0004] with the following amended paragraph:

[0004] The main object of the present invention is to provide a tool, whereby the rotation of the bent sub may be carried out in an infinitely variable manner. Other objects are that the rotation should take place ~~[[by]]~~ during full admission of the drill bit, and the rotation should take place at a speed which allows the measuring equipment to provide measurement results which are in accordance with the actual rotation. Thereby the drilling direction could be changed without the drawbacks mentioned above. Moreover, the tool will be somewhat easier to operate and provide greater precision during rotation than what has been normal. This has been realized through the present device by a tool adapted for changing the drilling direction during drilling. The drilling equipment used in the drilling, preferably comprises a drill string, such as coiled tubing, a bent sub, drill motor and drill bit. Further the tool is positioned between the drill string and the bent sub, comprises housing elements connected to one another, has a passage for, among other things, fluid such as drilling fluid, and may be activated for rotation of the bent sub, so that the direction of drilling is changed. The particular about the invention is that the tool is provided with means, which is adapted so that the rotation can be infinitely variable. Said means is provided in the through passage of the tool, and comprises a valve arranged to choke the passage, so that the tool can be activated for the rotation, a piston adapted for providing the rotation after the through passage has been choked, and sets of co-operating guides adapted for forced guiding of the rotation. The guides are formed in the wall of the through passage, or in the opposite wall of the piston. Other details of the invention will appear from the dependent Claims and the following part of the specification.

Please replace paragraph [0020] with the following amended paragraph:

[0020] The present invention will allow the rotation of the bent sub to be infinitely variable. Through reduction of the fluid pressure, so that the valve of the piston 18

Page 2

335408_1.DOC

BEST AVAILABLE COPY

PATENT

Att. Dkt. No. WEAT0332

opens the fluid passage, the rotation may moreover be interrupted when the desired turn has been reached. By greater turns, the rotation takes place in that the valve of the tool 1 is choked, opened, choked etc. until the bent sub is in the desired position. The ratchet mechanism 28 connecting the piston 18 and the lower housing element 5, will help to allow the drill bit to be driven [[by]] during full admission. When the piston spring 25 carries the piston 18 back into its initial position in abutment on the upper shoulder 14 after the opening of the valve, the ratchet mechanism 28 and the rotational connection 8 will allow for the piston 18 to rotate in the opposite direction. At the same time the lower housing element 5 remains stationary without rotation. It should be mentioned that the ratchet mechanism 28 and the rotational connection 8 may be replaced by connections which are locked mechanically.